

X11A SAFETY CHECKLIST			BROOKHAVEN NATIONAL LABORATORY NATIONAL SYNCHROTRON LIGHT SOURCE
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Prepared by: Philip Marino		Reviewed by: P. Marino	Approved by: B. Chmiel

Original signatures on file.

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- 1. Valid Padlock Index and log, no padlocks open.
- 2. Exclusion Zones (EZ #1) and (EZ #2) in place and secure covering Vacuum Bellows #1 wrapped in lead, Acrylead on Viewport, Water cooled Beryllium window #1 wrapped in lead, 8" Conflate flange covered with lead sheet.
- 3. Bremsstrahlung shield (BS #1) in place and banded as per photo
- 4. Lead scatter shielding as per photo
- 5. Exclusion Zones (EZ #3) and (EZ #4) in place and secured.
- 6. Viewport #1 and #2 on top of monochromator covered with lead glass and lead sheet.
(Note: Bremsstrahlung shields BS # 2 and BS #3 under lead, not visible),
- 7. Lead shielding above the monochromator tank is in place as per photo.
- 8. Lead shielded mono venting box in place.
- 9. Two layers of acrylead on top Viewport, one layer on side Viewport, and 5 way cross covered in lead (near the photon shutter).

OPCO / Beamline Staff: _____ Date: _____

User System Checks

- A. Beam-line isolation valve 1A is in the open position.
- B. Vacuum gauge on front of monochromator reads 28" or higher.

Beamline Rep.: _____ Date: _____